Call for Papers

Special Issue of
The IEEE Transactions on Speech and Audio Processing
On
Speech-to-Speech Machine Translation

Speech-to-Speech Machine Translation (**SSMT**) is a multidisciplinary research area that addresses one of the most complex problems in speech and language processing. The challenges posed by SSMT have been the subject of several collaborative research projects across universities and laboratories around the world. Over the last decade **SSMT** has benefited from advances in speech and language processing as well as from the availability of large multilingual databases. These advances have spurred research on statistical machine translation and on exploiting machine translation for cross-lingual information retrieval. There have also been substantial efforts towards automating and evaluating a variety of metrics that are relevant to SSMT systems.

The purpose of this special issue is to present recent advances in Speech-to-Speech Machine Translation. Original, previously unpublished research is sought in all areas relevant to the field. In particular, submissions on theory and methods for the following areas are encouraged:

- **Bootstrapping SSMT systems**
- **Semi-automatic and data driven SSMT**
- **Interlingua and Transfer Approach SSMT**
- **SSMT systems and applications**
- **Machine Translation Evaluation**
- **Speech Processing for SSMT**
- **Speech and Linguistic Corpora for SSMT**
- **Integration of Speech and linguistic processing for SSMT**
- **Machine Transliteration for named entity SSMT**
- **Robust Methods for SSMT**

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Submission procedure:
Prospective authors should follow the regular guidelines of the IEEE Transactions on Speech and Audio Processing for electronic submission via Manuscript Central (http://sps-ieee.manuscriptcentral.com). Authors **must** enter the title of the special issue into the field labeled "Please enter any additional keywords related to this submitted manuscript in order for the paper to be properly assigned to a Guest Editor." In addition, the title of the special issue should be referenced again in the field marked "Comments to Editor-in-Chief" along with any other pertinent information. You are required to provide a properly executed copyright form to be faxed to the IEEE Signal Processing Society Publications Office (via +1 732-562-8905) at the time of submission. An 8-page limit will be enforced on papers published in the special issue and all papers are subject to the published policy for overlength page charges and color charges.

Schedule:

Submission deadline:	1 June 2004
Notification of acceptance:	1 November 2004
Final manuscript due:	31 January 2005
Tentative publication date:	June 2005